

Amendments to the Claims

Please amend page 10, line 1 as follows:

Claims What is claimed is:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A device for producing a fluid containing a radioactive constituent, the device comprising: a shielded chamber within which is located an isotope container housing a radioactive isotope, the shielded chamber including first and second fluid connections to opposing ends of the isotope container and a fluid conduit extending from each of the first and second fluid connections to a fluid inlet and a fluid outlet respectively characterised in that the fluid inlet comprises a single spike having a substantially circular cross-section, the spike being adapted to penetrate the rubber seal of a vial and the spike having two bores, the first bore extending from a first aperture adjacent the tip of the spike to a fluid connection with the fluid conduit and the second bore extending from a second, separate aperture in the spike to a filtering air inlet.

2. (Original) A device as claimed in claim 1 further comprising an outer housing which supports the fluid inlet and the fluid outlet and the spike of the fluid inlet projects through an aperture in the outer housing.

3. (Original) A device as claimed in claim 2, wherein the outer housing defines a well about the aperture through which the spike projects, the well being structured to receive a vial.

4. (Currently Amended) A device as claimed in ~~any one of the preceding claims~~ claim
1, wherein the filtering air inlet contains a filter disk of polytetrafluoroethylene.